

02832-04 La/ej

A disposable cassette

Claims

1. A disposable cassette consisting of at least one first part in which channel structures are cut out in the surface and of a second part covering it in a sealing manner, with engagement regions for actuator elements being provided at pre-determined points,

characterized in that

the first part and/or the second part are made rigidly for the greater part; in that they, however, have flexibly made regions, with the rigid and flexible regions being manufactured in one piece using two-component injection molding technology.

2. A disposable cassette in accordance with claim 1, wherein the flexible regions are formed in the engagement regions for the actuator elements.

3. A disposable cassette in accordance with either of claims 1 or 2, wherein at least some of the channels consist of flexible material.
4. A disposable cassette in accordance with any of claims 1 to 3, wherein valves are used as actuators.
5. A disposable cassette in accordance with any of claims 1 to 3, wherein membrane pumps are used as actuators.
6. A disposable cassette in accordance with any of claims 1 to 3, wherein restrictors or metering valves are used as actuators.
7. A disposable cassette in accordance with any of claims 1 to 6, wherein the region of the channels in which the actuators are coupled are made shallower and with a larger channel cross-section.